NON-PUBLIC?: N
ACCESSION #: 9203180114
LICENSEE EVENT REPORT (LER)

FACILITY NAME: Maine Yankee Atomic Power Company PAGE: 1 OF 2

DOCKET NUMBER: 05000309

TITLE: MANUAL PLANT TRIP DUE TO LOSS OF EHC
EVENT DATE: 02/08/92 LER #: 92-001-00 REPORT DATE: 03/09/92

OTHER FACILITIES INVOLVED: Maine Yankee DOCKET NO: 05000309

OPERATING MODE: 7 POWER LEVEL: 079

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR SECTION:
50.73(a)(2)(iv)

LICENSEE CONTACT FOR THIS LER:
NAME: Jerry Maben, Nuclear Safety Engineer TELEPHONE: (207) 882-6321

COMPONENT FAILURE DESCRIPTION:
CAUSE: SYSTEM: COMPONENT: MANUFACTURER:
REPORTABLE NPRDS:

SUPPLEMENTAL REPORT EXPECTED: No

ABSTRACT:

On February 8, 1992 at 2224, a manual plant trip was initiated due to a loss of the main turbine electro-hydraulic control system (EHC) pressure. The plant was in a coastdown mode in preparation for the 1992 Refueling Outage.

Normally each of the two EHC pumps is independently powered. The two motor control centers (MCCs) that supply power to the EHC pump motors were cross-connected to perform maintenance. The feeder breaker from the bus supplying the MCCs tripped, de-energizing the EHC pumps, causing the loss of the EHC system pressure. The operating crew assessed the problem and decided to manually trip the plant.

All safety systems performed as expected. The post trip evaluation determined that the MCC feeder breaker was slightly overloaded in the cross-connected configuration due to cyclical loads.

To prevent recurrence of a similar event, bus PMs will be upgraded to require determination of bus loading prior to cross-connection. Revised preventative maintenance requirements are scheduled to be complete by September 1, 1992.

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END OF ABSTRACT

On February 8, 1992 at 2224, during the coastdown in preparation for the 1992 Refueling Outage, Maine Yankee initiated a manual plant trip from 79% power when it was determined that main turbine governor valve closure and turbine/reactor trip was imminent due to a loss of electro-hydraulic control (EHC) system pressure. All safety systems performed as expected.

The EHC system pressure was lost as a result of electrical preventative maintenance (PMs) work on non-safety related buses. The "A" EHC pump motor (P-55A) was powered from Motor Control Center (MCC) 13A and the "B" EHC pump motor (P-55B) was powered from MCC 14A. One pump was operating and one was in the standby mode. MCC 13A and MCC 14A were cross-connected for approximately 2 hours before a cyclical load caused the feeder breaker to trip on overload.

Post trip current readings found the cross-connected current to range from 370 amps to 430 amps. The breaker's overload device is calibrated to trip at approximately 400 amps.

To prevent recurrence of a similar event, bus PMs will be upgraded to require determination of bus loading prior to cross-connection. Revised preventative maintenance requirements are scheduled to be complete by September 1, 1992.

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Maine Yankee
RELIABLE ELECTRICITY FOR MAINE SINCE 1972

EDISON DRIVE o AUGUSTA, MAINE 04330 o (207) 623-3521

10 CFR 50.73

March 10, 1992

MN-92-21 SEN-92-70

UNITED STATES NUCLEAR REGULATORY COMMISSION
Attention: Document Control Desk
Washington, D. C. 20555

References: (a) License No. DPR-36 (Docket No. 50-309)

Subject: Maine Yankee Licensee Event Report 92-001-00 - Manual Plant Trip Due to Loss of EHC

Gentlemen:

Please find enclosed Maine Yankee Licensee Event Report 92-001-00. This report is submitted in accordance with the requirements of 10 CFR 50.73(a)(2)(iv).

Please contact us should you have any questions regarding this matter.

Very truly yours,

S. E. Nichols, Manager
Nuclear Engineering & Licensing

SEN/jag

Enclosure

c: Mr. Thomas T. Martin
Mr. E. H. Trottier
Mr. Charles S. Marschall
Mr. Patrick J. Dostie

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